Algebra I - Arithmetic Sequences Lesson

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Objectives:

1. Recognize arithmetic sequences
2. Relate arithmetic sequences to linear functions.

Activities:

1. Read Growing Patterns by Sarah Campbell
2. Discuss Fibonacci Numbers as a pattern, a sequence, and a formula
3. Discuss sequences and the rules of an arithmetic sequence
4. Have students find the next number in a given sequence
5. Have students write and graph a linear equation to illustrate a sequence
6. Discuss rate of change as it pertains to a sequence
7. Discuss rate of change as a slope of the line

Assignment/Assessment:

1. A textbook assignment to practice sequences
2. Develop a sequence to present to the class so the class can discover the rule